

## ANALYTICA CHIMICA ACTA, VOL. 235 (1990)

## AUTHOR INDEX

- Abbas, N.M., see Lin, D.-P. 375  
 Amato, A., see Gagliardi, L. 465  
 Appelqvist, R.  
   — and Hansen, E.H.  
   Determination of glucose in fermentation processes by means of an on-line coupled flow-injection system using enzyme sensors based on chemically modified electrodes 265  
 Apte, S.C.  
   —, Gardner, M.J., Ravenscroft, J.E. and Turrell, J.A.  
   Examination of the range of copper complexing ligands in natural waters using a combination of cathodic stripping voltammetry and computer simulation 287  
 Baláz, S.  
   —, Wiese, M., Chi, H.-L. and Seydel, J.K.  
   Subcellular pharmacokinetics and quantitative structure/time/activity relationships 195  
 Barbeni, M., see Cabella, P. 215  
 Barino, L.  
   — and Scordamaglia, R.  
   Conformational aspects of physical phenomena in polymeric materials 229  
 Bauer, J., see Ugi, I. 155  
 Baumer, L.  
   —, Sala, G. and Sello, G.  
   The LILITH approach to organic synthesis planning 209  
 Berkel, W.W. Van, see Van Berkel, W.W. 427  
 Blum, L.J., see Gautier, S.M. 243  
 Bo, Z.  
   — and Lu, X.  
   Poly(vinyl chloride) membrane electrode for the determination of verapamil 461  
 Bond, A.M., see Nagaosa, Y. 279  
 Buydens, L.M.C., see Van Leeuwen, J.A. 27  
 Cabella, P.  
   —, Barbeni, M., Conterno, M., Talarico, D., Marengo, E. and Marsili, M.  
   Computer applications in food flavour research 215  
 Chauvet, J.-M.  
   — and Lamy, F.  
   Determination of soluble lignin and proteins in the presence of each other 299  
 Chen, D.  
   — and Zeng, Y.  
   Processing and error analysis of signals in flow-injection analysis 337  
 Chi, H.  
   —, Wang, Y., Zhou, T. and Jin, C.  
   Novel carbon-fibre electrochemical detector for use in liquid chromatography 273  
 Chi, H.-L., see Baláz, S. 195  
 Clerc, J.-T.  
   — and Terkovics, A.L.  
   Versatile topological structure descriptor for quantitative structure/property studies 93  
 Conterno, M., see Cabella, P. 215  
 Coulet, P.R., see Gautier, S.M. 243  
 Cutter, G.A., see Velinsky, D.J. 419  
 Dauphin, J.-F., see Thunus, L. 393  
 De La Guardia Cirugeda, M., see Morales Rubio, A. 405  
 De Maine, M.M., see De Maine, P.A.D. 7  
 De Maine, P.A.D.  
   — and De Maine, M.M.  
   Computer aids for chemists 7  
 De Taxis Du Poet, P.  
   —, Miyamoto, S., Murakami, T., Kimura, J. and Karube, I.  
   Direct electron transfer with glucose oxidase immobilized in an electropolymerized poly(*N*-methylpyrrole) film on a gold microelectrode 255  
 Doornbos, D.A., see Smilde, A.G.E.K. 41  
 Esteve Romero, J.S.  
   —, Simó Alfonso, E.F., García Alvarez-Coque, M.C. and Ramis Ramos, G.  
   Determination of aniline in vegetable oils by diazotization and coupling in a microemulsion medium 317  
 Fontain, E., see Ugi, I. 155  
 Gagliardi, L.  
   —, Turchetto, L., Amato, A. and Tonelli, D.  
   Determination of climbazol in shampoos by reversed-phase liquid chromatography 465  
 García Alvarez-Coque, M.C., see Esteve Romero, J.S. 317  
 Gardner, M.J., see Apte, S.C. 287  
 Gasteiger, J.  
   —, Ihlenfeldt, W.D., Röse, P. and Wanke, R.  
   Computer-assisted reaction prediction and synthesis design 65  
   —, see Röse, P. 163  
 Gautier, S.M.  
   —, Blum, L.J. and Coulet, P.R.  
   Multi-function fibre-optic sensor for the bioluminescent flow determination of ATP or NADH 243

- Goto, M., see Munaf, E. 399
- Graaf, P.H. Van Der, see Smilde, A.G.E.K. 41
- Guardia Ciruged, M. de la, see Morales Rubio, A. 405
- Gupta, H.O.  
— and Tayal, H.D.  
Zirconium vanadophosphate as an inorganic ion exchanger 435
- Hansen, E.H., see Appelqvist, R. 265
- Haraguchi, H., see Munaf, E. 399
- Hendrickson, J.B.  
The SYNGEN approach to synthesis design 103
- Heuvel, E.J. Van Den, see Van Den Heuvel, E.J. 343, 355
- Hicks, M.G.  
—, Jochum, C. and Maier, H.  
Substructure search systems for large chemical data bases 87
- Hippe, Z.S.  
—, Mazur, M. and Nowak, G.  
Structures for controlling synthesis design and reaction modelling via knowledge acquisition 135
- Ihlenfeldt, W.D., see Gasteiger, J. 65
- Imai, N.  
Quantitative analysis of original and powdered rocks and mineral inclusions by laser ablation inductively coupled plasma mass spectrometry 381
- Ishii, D., see Munaf, E. 399
- Jin, C., see Chi, H. 273
- Jochum, C., see Hicks, M.G. 87
- John, R.  
— and Wallace, G.G.  
Dispersed mercury microelectrodes using non-conducting polymer coatings 451
- Karube, I., see De Taxis Du Poet, P. 255
- Kateman, G., see Van Leeuwen, J.A. 27
- Kerber, A.  
— and Moser, R.L.D.  
Ein Strukturgenerator für molekulare Graphen 221
- Kimura, J., see De Taxis Du Poet, P. 255
- Kula, M.-R., see Pohlmann, A. 329
- Kusakabe, H., see Pohlmann, A. 329
- Lamy, F., see Chauvet, J.-M. 299
- Lang, S.J.  
— and Rosman, K.J.R.  
Determination of lead in fresh and canned pineapple by isotope dilution mass spectrometry and isotope systematics 367
- Leeuwen, J.A. Van, see Van Leeuwen, J.A. 27
- Lin, D.-P.  
—, Osei-Twum, E.Y., Litorja, L.A. and Abbas, N.M.  
Determination of hopane biomarkers in Arabian crude oils by gas chromatography-tandem mass spectrometry 375
- Linares, P., see Mesa, J.A.G. 441
- Litorja, L.A., see Lin, D.-P. 375
- Lu, X., see Bo, Z. 461
- Lunelli, M., see Oberrauch, E. 177
- Luque De Castro, M.D., see Mesa, J.A.G. 441
- Ma, C., see Yang, J. 323
- Maessen, F.J.M.J., see Van Berkel, W.W. 427
- Maier, H., see Hicks, M.G. 87
- Maine, M.M. De, see De Maine, P.A.D. 7
- Maine, P.A.D. De, see De Maine, P.A.D. 7
- Malssen, K.F. Van, see Van Den Heuvel, E.J. 343, 355
- Manson, G.A., see Rasmussen, E.M. 77
- Marengo, E., see Cabella, P. 215
- Marsili, M., see Cabella, P. 215
- Mazur, M., see Hippe, Z.S. 135
- Mazzanti, V., see Oberrauch, E. 177
- Mesa, J.A.G.  
—, Linares, P., Luque De Castro, M.D. and Valcárcel, M.  
Direct automatic determination of polyphenols in olive oils in the aqueous phase of a flow-injection liquid-liquid extraction system without phase separation 441
- Miyamoto, S., see De Taxis Du Poet, P. 255
- Moll, R.  
CARSA, a computer-assisted system for synthesis research in industry 189
- Morales Rubio, A.  
—, Salvador Carreño, A. and De La Guardia Cirugeda, M.  
Flame atomic absorption spectrometric determination of iron, nickel, cobalt and molybdenum in petroleum industry catalysts after microwave oven digestion 405
- Moser, R.L.D., see Kerber, A. 221
- Mulholland, M., see Van Leeuwen, J.A. 27
- Munaf, E.  
—, Haraguchi, H., Ishii, D., Takeuchi, T. and Goto, M.  
Speciation of mercury compounds in waste water by micro-column liquid chromatography using a preconcentration column with cold-vapour atomic absorption spectrometric detection 399
- Murakami, T., see De Taxis Du Poet, P. 255
- Nagaosa, Y.  
—, Suenaga, T. and Bond, A.M.  
Extraction-liquid chromatography with electrochemical and spectrophotometric detection for the determination of copper and iron in biological and river water samples 279
- Nakajima, K.  
— and Takada, T.  
Study of quenching of S<sub>2</sub> emission by addition of oxygen to a hydrogen flame in molecular emission cavity analysis 413
- Noid, D.W.  
—, Sumpter, B.G. and Wunderlich, B.  
Molecular dynamics calculation of the density of states for poly(ethylene): collective versus local modes 143
- Nowak, G., see Hippe, Z.S. 135
- Oberrauch, E.  
—, Mazzanti, V. and Lunelli, M.

- Partial-least-squares models for the octane number of alkanes based on subgraph descriptors 177
- Osei-Twum, E.Y., see Lin, D.-P. 375
- Otto, M.  
Fuzzy theory. A promising tool for computerized chemistry 169
- Pohlmann, A.  
—, Stamm, W.W., Kusakabe, H. and Kula, M.-R.  
Enzymatic determination of L-lysine by flow-injection techniques 329
- Ramis Ramos, G., see Esteve Romero, J.S. 317
- Rasmussen, E.M.  
—, Willett, P., Wilson, T., Manson, G.A. and Wilson, G.A.  
Searching of chemical structure data bases with parallel computer hardware 77
- Ravenscroft, J.E., see Apte, S.C. 287
- Röse, P., see Gasteiger, J. 65  
— and Gasteiger, J.  
Automated derivation of reaction rules for the EROS 6.0 system for reaction prediction 163
- Rosman, K.J.R., see Lang, S.J. 367
- Rusling, J.F.  
—, Zhang, H. and Willis, W.S.  
Properties of octadecylsilyl-coated electrodes in ionic micellar solutions 307
- Sala, G., see Baumer, L. 209
- Salvador Carreño, A., see Morales Rubio, A. 405
- Scordamaglia, R., see Barino, L. 229
- Sello, G., see Baumer, L. 209
- Seydel, J.K., see Baláž, S. 195
- Shen, Z., see Yang, J. 323
- Simó Alfonso, E.F., see Esteve Romero, J.S. 317
- Sleurink, A., see Smilde, A.G.E.K. 41
- Smilde, A.G.E.K.  
—, Van Der Graaf, P.H., Doornbos, D.A., Steerneman, T. and Sleurink, A.  
Multivariate calibration of reversed-phase chromatographic systems. Some designs based on three-way data analysis 41
- Smit, H.C., see Van Den Heuvel, E.J. 343, 355
- Stamm, W.W., see Pohlmann, A. 329
- Steerneman, T., see Smilde, A.G.E.K. 41
- Suenaga, T., see Nagaosa, Y. 279
- Sumpter, B.G., see Noid, D.W. 143
- Takada, T., see Nakajima, K. 413
- Takeuchi, T., see Munaf, E. 399
- Talarico, D., see Cabella, P. 215
- Taxis Du Poet, P. De, see De Taxis Du Poet, P. 255
- Tayal, H.D., see Gupta, H.O. 435
- Terkovics, A.L., see Clerc, J.-T. 93
- Thunus, L.  
— and Dauphin, J.-F.  
Direct determination of gold and silver in rat plasma by graphite furnace atomic absorption spectrometry with Zeeman effect background correction and its application to the pharmacological properties of a mixture of copper, gold and silver salts 393
- Tonelli, D., see Gagliardi, L. 465
- Tran, C.D., see Xu, M. 445
- Tratch, S.S., see Zefirov, N.S. 115
- Turchetto, L., see Gagliardi, L. 465
- Turrell, J.A., see Apte, S.C. 287
- Ugi, I.  
—, Fontain, E. and Bauer, J.  
Transparent formal methods for reducing the combinatorial abundance of conceivable solutions to a chemical problem. Computer-assisted elucidation of complex reaction mechanisms 155
- Valcárcel, M., see Mesa, J.A.G. 441
- Van Berkel, W.W.  
— and Maessen, F.J.M.J.  
Characterization of a poly(dithiocarbamate) resin and establishment of optimum phase ratios 427
- Vandeginste, B.G.M., see Van Leeuwen, J.A. 27
- Van Den Heuvel, E.J.  
—, Van Malssen, K.F. and Smit, H.C.  
Optimal estimation of intensity of noisy peaks by matched filtering with application to chromatography. Part 1. General introduction and theoretical evaluations 343  
—, Van Malssen, K.F. and Smit, H.C.  
Optimal estimation of intensity of noisy peaks by matched filtering with application to chromatography. Part 2. Program description and simulation experiments 355
- Van Der Graaf, P.H., see Smilde, A.G.E.K. 41
- Van Leeuwen, J.A.  
—, Buydens, L.M.C., Vandeginste, B.G.M., Kateman, G. and Mulholland, M.  
Expert system for precision testing in validation of liquid chromatographic methods 27
- Van Malssen, K.F., see Van Den Heuvel, E.J. 343, 355
- Velinsky, D.J.  
— and Cutter, G.A.  
Determination of elemental selenium and pyrite-selenium in sediments 419
- Wallace, G.G., see John, R. 451
- Wang, Y., see Chi, H. 273
- Wanke, R., see Gasteiger, J. 65
- Wiese, M., see Baláž, S. 195
- Willett, P., see Rasmussen, E.M. 77
- Willis, W.S., see Rusling, J.F. 307
- Wilson, T., see Rasmussen, E.M. 77
- Wong, J.L., see Wu, T.-G. 457
- Wu, T.-G.  
— and Wong, J.L.  
Nickel speciation via voltammetric quantification of nickel metal, oxides and salts 457
- Wunderlich, B., see Noid, D.W. 143

Xu, M.

— and Tran, C.D.

Multi-wavelength thermal lens spectrophotometer 445

Yang, J.

—, Ma, C., Zhang, S. and Shen, Z.

Flow-injection catalytic kinetic determination of manganese using stopped-flow and gradient calibration 323

Yuan, S.

—, Zheng, C., Zhao, X. and Zeng, F.

Identification of maximal common substructures in structure/activity studies 239

Zefirov, N.S.

— and Tratch, S.S.

Symbolic equations and their applications to reaction design 115

Zeng, F., see Yuan, S. 239

Zeng, Y., see Chen, D. 337

Zhang, H., see Rusling, J.F. 307

Zhang, S., see Yang, J. 323

Zhao, X., see Yuan, S. 239

Zheng, C., see Yuan, S. 239

Zhou, T., see Chi, H. 273

Zupan, J.

Can an instrument learn from experiments done by itself?  
53

